IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Benjamin Jung Kim

Serial No.:

Not yet assigned

Filed:

herewith

For:

A LINEAR INDEPENDENCE METHOD FOR NONINVASIVE ON-

LINE SYSTEM IDENTIFICATION/SECONDARY PATH

MODELING FOR FILTERED-X LMS-BASED ACTIVE NOISE

CONTROL SYSTEMS

Art Unit:

Not yet assigned

Examiner:

Not yet assigned

Attorney Docket:

823.0145USU

Customer No.:

27623

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with applicant's duty of disclosure under 37 C.F.R. §1.56, please find attached hereto form PTO-1449 listing information which may be material to the patentability of this application, filed concurrently herewith. This Information Disclosure Statement is being filed:

XXX	Within three (3) months of the filing date of the national application;
	Within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
	Before the mailing date of a first Office Action on the merits;
	After the filing date or date of first Office Action, but before the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the forcet forth in 27 C.F.R. §1.17(e).

- After the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e), a petition requesting consideration of the I.D.S., and the petition fee set forth in 37 C.F.R. §1.17(i)(1); and
- After the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to the issuance of a final action and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e), a petition requesting consideration of the I.D.S., and the petition fee set forth in 37 C.F.R. §1.17(I)(1).

Enclosed are copies of Articles entitled the following (1) "Use of Random Noise for On-Line Transducer Modeling in Adaptive Active Attenuation System," (2) "Adaptive Control of a Two-Stage Vibration Isolation Mount," (3) "A Method to Identify the Secondary Path in Active Noise Control Systems," (4) "Active Noise Control System with Parallel On-Line Error Path Modeling Algorithm," (5) "A novel approach to feedforward higher-harmonic control," (6) "Feedforward Control Using the Higher-Harmonic, Time-Averaged Gradient Descent Algorithm," (7) "Secondary Path Delay Estimation Technique for Periodic Active Noise Control," (8) "Conditions for Optimal On-Line Identification of Secondary Paths in Active Noise Control Systems," (9) "Secondary Path Modeling Technique for Transformer Active Noise Control," (10) "An Active Noise Control Algorithm for Controlling Multiple Sinusoids," (11) "A Modified Algorithm for ANC Secondary Path Modeling," (12) "An Active Noise Control Without Estimation of Secondary-Path-ANC Using Simultaneous Perturbation-," (13) "Noninvasive system identification for multichannel broadband active noise control," (14) "On-Line Fundamental Frequency Tracking Method for Harmonic Signal and Application to ANC," and (15) "An Algorithm For Active Control of Transformer Noise with On-Line Cancellation Path Modelling Based on the Perturbation Method,"

Also enclosed are copies of U.S. Patent Nos. 4,677,676; 5,940,519 and 6,418,228.

It should be understood that attention has been called to the references that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed references and to make the usual careful independent search for other prior art that may be pertinent.

Respectfully submitted,

July 14, 2003

Paul D. Greeley Reg. No. 31,019

Ohlandt, Greeley, Ruggiero & Perle, L.L.P.

One Landmark Square, 10th Floor

Stamford, CT 06901-2682

(203) 327-4500

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